

## A G E N D A



## Recommendation for Council Action

Austin City Council

Item ID

17267

Agenda Number

3.

Meeting Date:

8/2/2012

Department:

Austin Energy

## Subject

Approve issuance of a rebate to Samsung Semiconductor, LLC for the installation of energy efficient equipment in an amount not to exceed \$154,848.

## Amount and Source of Funding

Funding is available in the Fiscal Year 2011-2012 Operating Budget of Austin Energy, Conservation Rebates and Incentive Fund.

## Fiscal Note

A fiscal note is not required.

Purchasing Language:

Prior Council Action:

For More Information:

Fred Yebra, P.E., Acting Vice President, Distributed Energy Services, 482-5305; Scott Jarman, P.E., Interim Director, Energy Efficiency Services, 482-5307.

Boards and Commission Action:

Recommended by the Electric Utility Commission

MBE / WBE:

Related Items:

## Additional Backup Information

Austin Energy requests authorization to issue a rebate to Samsung Semiconductor, LLC in an amount not to exceed \$154,848 for the installation of multiple technologies including High Efficiency Chillers, Variable Frequency Drives, a Cooling Tower, Uninterruptible Power Supply, Dynamic Sag Correction, High Efficiency Motors and Transformers, in accordance with the City of Austin's Commercial Rebate Program guidelines. This program is one element of Austin Energy's comprehensive Resource, Generation, Climate Protection Plan to 2020, approved in April 2010 by City Council, designed to reduce local air pollution through energy conservation, to reduce peak demand, and to assist customers in reducing electric consumption.

Samsung Semiconductor is located at 12100 Samsung Blvd. in Northeast Austin. This location houses a 2.3 million-square-foot semiconductor complex. The demand kilowatt (kW) savings associated with the high efficiency equipment installed in this project is estimated at 454.79 kW, at a program cost of \$340.48 per kilowatt saved. The avoided kilowatt hours (kWh), estimated at 2,731,474 kWh per year, represents a major benefit to the local environment. This project will prevent the following air pollutants from being emitted: 1,610.6 metric tons of Carbon

Dioxide (CO<sub>2</sub>), 1.015 metric tons of Sulfur Dioxide (SO<sub>2</sub>), and 1.123 metric tons of Nitrogen Oxides (NO<sub>x</sub>).

In addition to the reduced air and toxic metals pollution, the project savings are also equivalent to an estimated 3,616,058 vehicle miles traveled, the removal of 308.5 cars from our roadways, or the planting of 41,376 trees or 2,069 acres of forest in Austin's parks.